

AI Needs Radar

Weekly insights from global tech communities

2026.08.02 — 2026.08.09

Issue #13 • Generated 2026-08-09

604

discussions analyzed

39

needs gaps surfaced

8

categories covered

12

big-company opportunities

// TOP 10

Top 10 Needs by Heat

The hottest needs across all categories this period.

#01	Juggling Multiple Coding Agents	9/10
AI Development	UP • Each project spawns three to five Claude Code or Codex sessi	
#02	AI Coding Agents Leak Source Code	8/10
AI Development	UP • Audit found two popular open-source agents send file content	
#03	MCP Calls Flood Context Window	8/10
AI Development	UP • MCP tool results dumped whole into context, thousands of tok	
#04	Notes pile up, search fails	8/10
AI Tools	UP • Notes scattered across Notion, Obsidian, WeChat favorites; f	
#05	AI crawlers overwhelm websites	8/10
AI Tools	UP • 1.5 million page site crawled daily, servers can't handle it	
#06	Local LLM Deployment Takes Weeks	7/10
AI Development	UP • Want to run DeepSeek V4 Flash on corporate intranet, hardwar	
#07	Stuck Choosing a Phone for Months	7/10
AI Lifestyle	STABLE • Pura 70 Pro lags and overheats, want to switch to iPhone 17	
#08	AI Code Copyright and Compliance Unclear	6/10
AI Development	UP • Oracle outright bans AI-generated code from OpenJDK, whose A	
#09	Immersive game costs too high for investors	6/10
AI Frontier	UP • High-quality narrative puzzle games cost a fortune to develo	
#10	AI Advice Lacks Balanced Debate	5/10
AI Education	UP • Asked whether retirement funds should go traditional or Roth	

// AI TOOLS

AI Tools

5 needs • sorted by heat

1. Notes pile up, search fails • Heat 8/10

Notes scattered across Notion, Obsidian, WeChat; finding old items requires checking five places.

PAIN Repeated searches with different keywords fail; manual linking is costly; reliance on memory.

EXISTING Obsidian backlinks need upkeep; Notion AI only searches workspace; Evernote search is poor.

OPPORTUNITY Full-library import, semantic search, auto-linking can drive users to switch apps.

COMPETITORS Notion AI, Obsidian, Mem all require user organization.

For: Solo • Difficulty 3/5 • UP

2. AI crawlers overwhelm websites • Heat 8/10

1.5M-page site hit daily by AI crawlers, straining servers and harming real users.

PAIN robots.txt ignored; Cloudflare blocks real users; costs escalate daily.

EXISTING Cloudflare/Akamai bot management is costly and rigid; self-built lacks data.

OPPORTUNITY Lightweight solution distinguishing humans from AI crawlers, affordable monthly fee.

COMPETITORS Cloudflare Turnstile needs config; DataDome pricey; open-source misfires.

For: Enterprise • Difficulty 4/5 • UP

3. Mac backup reliability gamble • Heat 5/10

Backups made, but Time Machine fails silently until restore time.

PAIN Backup tools show no issues until disk failure reveals useless backups.

EXISTING Time Machine fails silently; Carbon Copy Cloner powerful but manual.

OPPORTUNITY Auto-verify backup integrity and one-click restore drills ensure recoverability.

COMPETITORS Time Machine lacks verification; CCC and SuperDuper have learning curves.

For: Small Team • Difficulty 3/5 • STABLE

4. Family subscription sharing gap • Heat 4/10

Kagi's LLM quota per person forces kids to buy pricey annual plans.

PAIN Each family member pays separately for AI search, costing thousands extra yearly.

EXISTING Kagi family group lacks LLM sharing; AI products generally lack family plans.

OPPORTUNITY Family shared pool with usage limits and parental controls boosts willingness to pay.

COMPETITORS Kagi no LLM share; ChatGPT Team per-seat; no family pool option.

For: Enterprise • Difficulty 3/5 • NEW

5. Feed full of noise and anxiety • Heat 3/10

LinkedIn feed shows likes, courses, anxiety; no setting to see only what matters.

PAIN No official follow-only mode; third-party scripts break; work depends on LinkedIn.

EXISTING Browser scripts like LinkedIn Feed Blocker are single-purpose and poorly maintained.

OPPORTUNITY Clean LinkedIn: filter by circles and topics, see only industry insights and friend updates.

COMPETITORS Official algorithm doesn't subtract; third-party scripts only block, not categorize.

For: Solo • Difficulty 2/5 • STABLE

// AI DEVELOPMENT

AI Development

7 needs • sorted by heat

1. Juggling Multiple Coding Agents • Heat 9/10

Running several Claude Code or Codex sessions per project, screens full of terminals, can't tell which finished.

PAIN No unified dashboard to see what each agent is doing, stuck, or done; missing completion leads to hangs.

EXISTING Tmux manual multi-window, HUD and Agent-Manager only status lines, not systematic.

OPPORTUNITY One-click view of all agents' progress, blockers, results; support queueing and preemption, doubling efficiency.

COMPETITORS HUD, Agent-Manager, cmux only lightweight TUIs, lack task orchestration.

For: Small Team • Difficulty 3/5 • UP

2. AI Coding Agents Leak Source Code • Heat 8/10

Audit found two popular open-source agents send file contents to external APIs by default, no sandbox or warning.

PAIN Running agents equals handing commercial source code to third parties, no permission isolation or confirmation.

EXISTING Hoplite offers secure deployment but mostly cloud; local open-source agents are defenseless.

OPPORTUNITY Default local sandbox, bidirectional firewall, and key operation confirmation, making security as if no agent installed.

COMPETITORS Hoplite cloud-focused, Claude Code has permission mode but default permissive, open-source projects generally exposed.

For: Enterprise • Difficulty 5/5 • UP

3. MCP Calls Flood Context Window • Heat 8/10

MCP tool results dumped entirely into context, thousands of tokens lost; CLI piping lacks standardization.

- PAIN** Frequent tool calls quickly exhaust context, forcing new sessions; losing context wastes work.
- EXISTING** Some harnesses have progressive disclosure, but results can't be piped like CLI.
- OPPORTUNITY** Streaming filtering, summarization, and pipeability for MCP results, fetching tokens on demand instead of all.
- COMPETITORS** Claude Code has tool search but still injects full segments; Maki's multi-tool inline not widespread.

For: Small Team • Difficulty 4/5 • UP

4. Local LLM Deployment Takes Weeks • Heat 7/10

Running DeepSeek V4 Flash on intranet involves hardware selection, operator fixes, and validation pitfalls.

- PAIN** vLLM version mismatches, manual operator patches, precision drift hard to debug; IT lacks manpower.
- EXISTING** vLLM backports and community guides help half; GPU selection still relies on asking in groups.
- OPPORTUNITY** One-command deployment with auto hardware adaptation and inference correctness self-check, enabling non-AI teams.
- COMPETITORS** vLLM requires CUDA knowledge, Ollama too shallow for large models, no official enterprise deployment package.

For: Small Team • Difficulty 5/5 • UP

5. AI Code Copyright and Compliance Unclear • Heat 6/10

Oracle bans AI-generated code from OpenJDK; ownership of AI contributions is ambiguous.

- PAIN** Company policies missing; developers unclear about copyright and license risks of AI-generated code.
- EXISTING** Companies outright ban AI code; docs don't clarify; individual developers are passive.
- OPPORTUNITY** AI code provenance, license scanning, and compliance reports let enterprises safely use AI-written code.
- COMPETITORS** GitHub Copilot offers IP indemnity but no provenance; Black Duck can't scan AI authorship.

For: Enterprise • Difficulty 4/5 • UP

6. JSON Tool Output Wastes Tokens • Heat 5/10

New CLI tools default to JSON for LLMs, causing token explosion and missed information.

- PAIN** JSON has redundant fields, LLMs get confused, parsing costs tokens; no standard format.
- EXISTING** JSON is default, YAML more verbose, Markdown tables unstable; no LLM-specific format.
- OPPORTUNITY** Define a compact LLM output format with fewer fields, flat structure, explicit semantics, saving tokens.
- COMPETITORS** TSON does schema hashing but doesn't solve token efficiency; mainstream tools still push JSON.

For: Small Team • Difficulty 4/5 • NEW

7. Agent Commits Skyrocket CI Costs • Heat 4/10

Multiple agents committing in parallel trigger hundreds of Actions runs, costs exceeding server expenses.

- PAIN** A single file change commit triggers many workflows, duplicate runs and queueing, cost spirals out of control.
- EXISTING** GitHub official no agent traffic optimization; self-hosted runners need ops; YAML hard to tune.
- OPPORTUNITY** Smart merge triggers, deduplication of similar tasks, and cost allocation reports make agents run cheaply.
- COMPETITORS** GitHub Actions charges per use without optimization; Buildkite requires self-managed infrastructure.

For: Small Team • Difficulty 3/5 • UP

// AI HARDWARE

AI Hardware

5 needs • sorted by heat

1. USB-C Cable Labels Are Guesswork • Heat 5/10

Cables marked 100W vary wildly; labels unreliable, only testing reveals true specs.

- PAIN** Whether a cable supports USB3.2 or Thunderbolt 4 is trial and error; damage reveals flaws.
- EXISTING** Manual testers require plugging and comparing; apps inaccurate; results must be logged manually.
- OPPORTUNITY** Smart cable detection: plug in to instantly see protocol, power, data rate—no more guesswork.
- COMPETITORS** KM003C testers are professional but pricey; online methods have limitations.

For: Small Team • Difficulty 3/5 • STABLE

2. Sign Language Glasses Miss True Grammar • Heat 4/10

Current products only spell words letter by letter, losing facial and body grammar.

- PAIN** Sign language uses non-manual markers for grammar; translation loses meaning without them.
- EXISTING** Market glasses only do fingerspelling, ignoring Non-Manual Markers.
- OPPORTUNITY** Incorporate expressions, mouth, head movements into models for real communication.
- COMPETITORS** Google has research but no consumer product; startups stuck on word recognition.

For: Enterprise • Difficulty 5/5 • NEW

3. AI Models Cloud-Only, Offline Devices Vulnerable • Heat 4/10

Cars, appliances, wearables need good models but fail offline; only cloud works.

- PAIN** Edge compute can't run large models; small ones are dumb; privacy and latency trade-offs.
- EXISTING** AMD etches models into silicon but only for tiny models; general devices far off.
- OPPORTUNITY** Low-power edge inference chips plus distilled models run common AI tasks locally.
- COMPETITORS** Qualcomm NPU ecosystem fragmented; Apple self-only; Taalas early.

For: Enterprise • Difficulty 5/5 • UP

4. Smart TVs Lack Useful Apps Beyond Video • Heat 3/10

New 65-inch TV: Bilibili TV app can't search, live streams need casting, USB installs restricted.

PAIN TV app stores sparse; danmaku, live, cloud drive habits absent.

EXISTING Xiaomi and Sony stores lack apps; browser installs are hassle; local workarounds complex.

OPPORTUNITY TV AI interactive apps: voice search aggregation plus cross-platform live aggregation in one.

COMPETITORS Bilibili TV incomplete, Douyu no TV version, third-party stores messy and unsafe.

For: Enterprise • Difficulty 3/5 • STABLE

5. Lost AirPods Pairing Feels Like Puzzle • Heat 3/10

Buying a single left AirPods, it won't pair in case; prompts are confusing.

PAIN Apple lacks single-ear re-pair guidance; users resort to online hacks, often fail.

EXISTING Apple only supports full-set pairing; third-party tutorials scattered and version-dependent.

OPPORTUNITY Visual single-ear pairing guide: place in case, press, reset—step-by-step to success.

COMPETITORS Apple lacks feature; Genius Bar requires appointment; community tutorials unreliable.

For: Solo • Difficulty 2/5 • STABLE

// AI CONTENT

AI Content

4 needs • sorted by heat

1. AI Video Editing Lacks Frame Control • Heat 5/10

Users can't directly modify objects in a frame, only regenerate and hope for the best

- PAIN** No frame-level fine-tuning; changing a detail means regenerating the whole clip, requiring dozens of attempts
- EXISTING** Seedance and MiniMax only accept prompts and reference images, no frame-level annotation editing
- OPPORTUNITY** Create an editing experience with on-frame arrows and instructions for targeted, one-shot modifications
- COMPETITORS** Runway's Motion Brush only controls motion, Pika lacks frame annotation, ComfyUI has a steep learning curve

For: Small Team • Difficulty 5/5 • UP

2. AI Content Has an Obvious AI Flavor • Heat 5/10

Articles, copy, and podcast scripts scream AI, making readers immediately scroll away

- PAIN** Prompting to avoid AI tone fails; word choices and sentence rhythms reveal the source
- EXISTING** Prompt engineering can't suppress model habits; manual rewriting is still needed before publishing
- OPPORTUNITY** Style fingerprint detection plus automatic de-AI rewriting to make content sound like a specific person
- COMPETITORS** GPTZero only detects AI without fixing, Undetectable AI still produces unnatural text

For: Small Team • Difficulty 4/5 • UP

3. AI Generates Clips but Can't Edit Films • Heat 4/10

AI can batch-produce shots, but pacing, narrative, and transitions still require manual assembly

- PAIN** No one manages the decision chain from storyboard to final cut; generated assets don't assemble into a film
- EXISTING** ComfyUI workflows can chain but cater to geeks; Premiere and FCP remain manual editing tools
- OPPORTUNITY** AI-native director tool: understands scripts, generates storyboards, auto-cuts rough drafts, and iterates on feedback
- COMPETITORS** Runway has Gen-3 but no narrative layer, Pika lacks storyboards, CapCut AI is geared toward short-form content

For: Small Team • Difficulty 4/5 • UP

4. AI Book Flood Erodes Reader Trust • Heat 4/10

Mass-produced AI books dominate bestseller lists, making it hard for readers to trust and for genuine authors to thrive

- PAIN** Platforms lack AI content labeling, allowing bad content to crowd out good, destroying reader trust
- EXISTING** Amazon's AI book disclosure is weakly enforced; ranking algorithms reward volume over quality
- OPPORTUNITY** AI content trust badges and quality tiers to help readers find human-written, worthwhile books
- COMPETITORS** Amazon's disclosure is ineffective, Goodreads has no AI labels, bookstores offer no solution

For: Enterprise • Difficulty 3/5 • NEW

// AI LIFESTYLE

AI Lifestyle

4 needs • sorted by heat

1. Stuck Choosing a Phone for Months • Heat 7/10

Pura 70 Pro lags and heats up; want iPhone 17 Pro Max but fear the 18 in two months is better

- PAIN** Reviews conflict, spec sheets overwhelm, no one tailors advice to my habits
- EXISTING** Review articles and Zhihu comparisons are biased; no tool calculates based on your scenario
- OPPORTUNITY** Input daily habits to get a switch-or-keep list, even timing for resale
- COMPETITORS** Geekbench scores, DXOMARK photos, none decide if you should upgrade

For: Solo • Difficulty 3/5 • STABLE

2. Living Alone and Working from Home, Daily Meal Dilemma • Heat 5/10

Curry, veggie soup, stew on repeat; tired of unhealthy takeout, recipe apps don't help

- PAIN** Hard to buy and cook for one; recipes ignore fridge stock and weekday dinner time limits
- EXISTING** Xiachufang and Xiaohongshu rely on search; AI suggestions don't factor in fridge or taste, not actionable
- OPPORTUNITY** Generate executable menus from fridge inventory, mood, and time budget; one-click shopping list
- COMPETITORS** Xiachufang lacks personalization, Mealime is Western-focused, domestic AI recipes lack grocery loop

For: Small Team • Difficulty 3/5 • UP

3. Browsing Product Pages, Then Forced to Leave Chat to Buy • Heat 4/10

AI finds products and compares prices, but checkout requires copying links to e-commerce apps, breaking the flow

- PAIN** Search, compare, buy interrupted three times; more info means less purchase, missing deals
- EXISTING** Web chat agents lack e-commerce MCP interfaces; apps don't allow embedded purchases
- OPPORTUNITY** Unified product cards with real-time price comparison and one-click order within chat, shrinking decision to payment
- COMPETITORS** ChatGPT web_search gives links only, price apps can't buy, mini-programs need separate opening

For: Enterprise • Difficulty 5/5 • NEW

4. Pet Care Costs Scare You from Vet Visits, Insurance Confusing • Heat 3/10

Before pet health decisions, check savings; insurance terms are convoluted and reimbursements slow

- PAIN** Unclear exam and surgery prices; insurance deductibles and waiting periods confuse users
- EXISTING** Traditional pet insurance complex, hospital quotes vary, price comparison requires manual work
- OPPORTUNITY** Transparent pet medical costs plus smart insurance interpretation, quote before surgery
- COMPETITORS** Snout covers fully but US-only; domestic ZhongAn terms deter, hospitals lack clear pricing

For: Enterprise • Difficulty 3/5 • UP

// AI EDUCATION

AI Education

6 needs • sorted by heat

1. AI Essays Overwhelm Oral Exams • Heat 5/10

Denmark requires oral exams to prevent AI cheating, burdening teachers and students.

- PAIN** One-on-one scheduling and grading collapse with large classes; training is insufficient.
- EXISTING** Oral exams are effective but costly; AI detectors have high false positives; no middle ground.
- OPPORTUNITY** AI-assisted oral exams: question generation, auto-transcription, scoring suggestions to reduce costs.
- COMPETITORS** Turnitin flags AI but not ghostwriting; remote proctoring lacks academic anti-cheat design.

For: Small Team • Difficulty 4/5 • UP

2. Textbook Words Fail Real Life • Heat 5/10

English textbooks teach useless words; ordering food or shopping in Shanghai is baffling.

- PAIN** Vocabulary lists follow exam syllabi, not real-life scenarios; learned but unusable.
- EXISTING** Textbook lists update slowly; dictionary apps don't teach context; language apps are gamified.
- OPPORTUNITY** Generate scenario-based word lists: ordering, shopping, asking directions; learn then apply.
- COMPETITORS** Duolingo has scenarios but is too gamey; Baicizhan lacks usage; textbooks lag.

For: Solo • Difficulty 3/5 • STABLE

3. AI Code Leaves Users Clueless • Heat 5/10

AI-generated code runs, but true understanding requires manual retyping to remember.

- PAIN** AI speeds output, deepening cognitive debt; debugging becomes impossible.
- EXISTING** Manual retyping is a workaround; IDEs lack code comprehension guidance.
- OPPORTUNITY** Turn AI code into interactive lessons: highlight logic, quiz understanding.
- COMPETITORS** Copilot gives answers without explanations; Codeium's comments are thin; Coursera can't teach your code.

For: Small Team • Difficulty 3/5 • UP

4. AI Advice Lacks Balanced Debate • Heat 5/10

Asking about retirement funds, AI takes sides without analyzing counterarguments.

PAIN Every question feels like a gamble on bias; no back-and-forth like a human advisor.

EXISTING ChatGPT/Claude follow authoritative views, rarely show both sides.

OPPORTUNITY Provide dual-sided analysis with sources, then conclude; builds trust.

COMPETITORS Perplexity has sources but no stance analysis; ChatGPT has stance but no hedging.

For: Small Team • Difficulty 4/5 • UP

5. Ancient Greek Tools Incomplete • Heat 4/10

Word parsers lack macrons, don't convert u/v; beginners get discouraged by details.

PAIN Classical language tools assume knowledge of diacritics; novices stumble at basics.

EXISTING Ancient Library parses but lacks macrons; Perseus is outdated with poor UX.

OPPORTUNITY Click any word for morphology, pronunciation, grammar; full diacritics and sentence audio.

COMPETITORS Ancient Library has parsing but no audio; Perseus has content but 90s interface.

For: Solo • Difficulty 3/5 • STABLE

6. Botany Learning Fragmented • Heat 4/10

Learning plants via YouTube; geology and ecology connections are self-taught.

PAIN Plant ID apps give names only, not why it grows there or geological links.

EXISTING iNaturalist identifies but doesn't teach; blogger videos are scattered.

OPPORTUNITY Turn field observations into learning paths: plant, geography, climate, ecology in one.

COMPETITORS iNaturalist focuses on ID; PlantNet is a field guide; lacks systematic teaching.

For: Solo • Difficulty 3/5 • STABLE

// AI HEALTH

AI Health

3 needs • sorted by heat

1. Gained 3 Pounds After a Month of Dieting • Heat 5/10

All methods failed; stress and sporadic exercise led to steady weight gain.

PAIN Body adapted to old routines, calorie burn unmeasurable, stress hormones chaotic, increasingly discouraged.

EXISTING Treadmill and diet fail; fitness apps log but don't adjust, lacking stress dimension.

OPPORTUNITY Dynamically adjust weight loss plans based on stress, sleep, and metabolic adaptation, not one-size-fits-all.

COMPETITORS Keep and薄荷 record data but don't auto-switch at plateaus; AI coaches are superficial.

For: Small Team • Difficulty 4/5 • UP

2. Daily 10 Supplements, Pill Organizers Are a Scam • Heat 5/10

Opening dozens of bottles daily; organizers leak, supplements get damp.

PAIN Compartments too small for fish oil or lids not tight; weekly sorting takes an hour.

EXISTING Current organizers poor sealing; smart pillboxes expensive and don't fit supplement sizes.

OPPORTUNITY Truly sealed, adjustable compartments, moisture-proof, with weekly reminders and inventory.

COMPETITORS Muji's boxes have small compartments; smart pillboxes overpriced and prescription-only; supplement users have no choice.

For: Solo • Difficulty 2/5 • STABLE

3. AI Skin Advice Is Generic and Useless • Heat 4/10

AI always says moisturize less and apply lotion; CeraVe feels sticky and disrupts sleep.

- PAIN** Can't balance lightweight and hydration; no matching for season, shower habits, or skin changes.
- EXISTING** AI advice vague; Xiaohongshu full of ads; recommendations ignore skin type and weather.
- OPPORTUNITY** Input skin type, climate, and shower habits to get lightweight yet hydrating routines with tracking.
- COMPETITORS** MeiLiXiuXing is ingredient lookup only; Xiaohongshu is ads; AI skincare is mostly marketing.

For: Solo • Difficulty 3/5 • NEW

// AI FRONTIER

AI Frontier

5 needs • sorted by heat

1. Immersive game costs too high for investors • Heat 6/10

High-quality narrative puzzle games are expensive; market survives on leftovers.

PAIN Top talent needed for art, music, coding; AI helps partially but pipeline immature.

EXISTING Claude's shadow mapping patch is decent, but full AI game pipeline is far off.

OPPORTUNITY AI-native game production: puzzle design, 3D assets, story scenes; one person does a studio's work.

COMPETITORS Unity and Unreal have scattered AI plugins; Roblox AI is revenue-focused; 3A toolchains closed.

For: Small Team • Difficulty 5/5 • UP

2. DIY rebalancing drives me to smash Excel • Heat 5/10

Cross-broker, IRA, 401K, HSA rebalancing for Bogleheads is all manual math.

PAIN Different target ratios per account, taxes and fees included, no one checks.

EXISTING RebalanceTool handles single steps; broker tools lack cross-account view.

OPPORTUNITY Connect all accounts, auto-calculate targets plus tax impact, generate one-click rebalancing suggestions.

COMPETITORS Personal Capital is comprehensive but weak on rebalancing; broker tools only cover own assets.

For: Small Team • Difficulty 3/5 • STABLE

3. GPS jamming threatens flights, no one acts • Heat 5/10

GPS interference causes navigation errors; only enthusiasts track it informally.

- PAIN** GPSJAM relies on manual reports; no official warnings; pilots can't see jamming maps pre-flight.
- EXISTING** GPSJAM.org has tracked for 5 years; FAA and NTSB investigate after the fact; no real-time alerts.
- OPPORTUNITY** Real-time GPS jamming map with route impact prediction; push warnings before takeoff.
- COMPETITORS** GPSJAM is non-profit; Honeywell and other avionics giants don't do civilian jamming alerts.

For: Enterprise • Difficulty 4/5 • NEW

4. Old PLC systems fail, original programmers retired • Heat 5/10

Water plant PLC crashes; hunting retired engineers for files; digital twins too costly.

- PAIN** Legacy control systems lose programs and docs; new engineers fear them; custom retrofits are pricey.
- EXISTING** Digital twins are custom-priced per plant; PLC vendors have slow support; knowledge lives in old heads.
- OPPORTUNITY** PLC reverse engineering, auto documentation, remote diagnostics SaaS; factories no longer hostage to single points.
- COMPETITORS** Siemens and Rockwell are closed-source; digital twin consulting is expensive; open source lacks industrial-grade.

For: Small Team • Difficulty 4/5 • STABLE

5. Disaster bulletins pile up, recovery status buried • Heat 4/10

After earthquake, 2.5M words of government notices; manually comparing city changes is brutal.

- PAIN** Notice #3 says water off, #33 says restored; dozens in between; human eyes can't scan.
- EXISTING** Deterministic classifiers extract info but lack automated before-after comparison.
- OPPORTUNITY** Auto-extract bulletin elements, compare status changes over time; flag affected areas on new notices.
- COMPETITORS** Government emergency systems are outdated; Microsoft and Google lack disaster bulletin tools; few academic cases.

For: Enterprise • Difficulty 4/5 • NEW

// BIG PICTURE

Big Company View (Enterprise)

Directions that need strategic synergy, scale and brand — beyond what solo or small teams can pursue.

1. AI crawlers overwhelm websites • Heat 8/10 • AI Tools

1.5M-page site hit daily by AI crawlers, straining servers and harming real users.

STRATEGIC Common pain for content sites; SaaS can cover WordPress to enterprise, huge TAM.

INCUMBENTS Cloudflare misfires; DataDome expensive; self-built hard to maintain.

TIMING AI crawler surge and site owner awareness create a perfect entry window.

2. AI Coding Agents Leak Source Code • Heat 8/10 • AI Development

Audit found two popular open-source agents send file contents to external APIs by default, no sandbox or warning.

STRATEGIC Security is the biggest barrier to enterprise AI coding adoption; solving it opens the enterprise market.

INCUMBENTS GitHub Copilot has enterprise controls but only for its own, Claude Code security relies on self-discipline.

TIMING Critical inflection point as agents shift from toys to production tools; security layer will decide who enters enterprises.

3. AI Code Copyright and Compliance Unclear • Heat 6/10 • AI Development

Oracle bans AI-generated code from OpenJDK; ownership of AI contributions is ambiguous.

STRATEGIC AI code copyright is a legal necessity; setting standards can gate enterprise compliance entry.

INCUMBENTS GitHub, Snyk do dependency scanning; no one answers who owns this AI code.

TIMING Oracle's ban sparks industry debate; enterprises urgently need actionable compliance solutions.

4. GPS jamming threatens flights, no one acts • Heat 5/10 • AI Frontier

GPS interference causes navigation errors; only enthusiasts track it informally.

STRATEGIC GPS jamming rises with geopolitical conflicts; aviation safety is a regulated necessity.

INCUMBENTS FAA lacks real-time alerts; GPSJAM is manual; avionics firms focus on hardware, not data.

TIMING Near-miss incidents have occurred; regulatory pressure rising; data plus insurance model viable.

5. Family subscription sharing gap • Heat 4/10 • AI Tools

Kagi's LLM quota per person forces kids to buy pricey annual plans.

STRATEGIC Families are the biggest growth segment for AI subscriptions; pools raise ARPU and stickiness.

INCUMBENTS Kagi, ChatGPT, Claude lack family sharing and child controls.

TIMING AI search assistants are nascent; early family focus can set default choice.

6. Sign Language Glasses Miss True Grammar • Heat 4/10 • AI Hardware

Current products only spell words letter by letter, losing facial and body grammar.

STRATEGIC Accessibility market plus AR glasses growth; sign language is unmet need with no competition.

INCUMBENTS Google's recognition limited to YouTube captions; Meta glasses skip sign language.

TIMING AR shipments rising, sign community demand real; early mover defines category.

7. AI Models Cloud-Only, Offline Devices Vulnerable • Heat 4/10 • AI Hardware

Cars, appliances, wearables need good models but fail offline; only cloud works.

STRATEGIC Edge AI is next hardware premium; first to mass-produce low-power chips controls ecosystem.

INCUMBENTS Qualcomm NPU tools hard; Apple doesn't sell; AMD etching immature.

TIMING Model distillation and advanced packaging mature; running large models on device feasible.

8. AI Book Flood Erodes Reader Trust • Heat 4/10 • AI Content

Mass-produced AI books dominate bestseller lists, making it hard for readers to trust and for genuine authors to thrive

- STRATEGIC** Trust crisis in content platforms is widespread; trust badges can become a distribution-side differentiator
- INCUMBENTS** Amazon's review is a formality, OpenAI has detectors but doesn't release them, platforms haven't acted
- TIMING** AI content is booming while reader trust hits rock bottom; labeling tools are most needed now

9. Browsing Product Pages, Then Forced to Leave Chat to Buy • Heat 4/10 • AI Lifestyle

AI finds products and compares prices, but checkout requires copying links to e-commerce apps, breaking the flow

- STRATEGIC** Conversational shopping capturing entry points diverts e-commerce search demand, huge TAM
- INCUMBENTS** ChatGPT only provides links, Google Shopping lacks chat, Taobao not open
- TIMING** MCP protocol spreading, e-commerce APIs opening, agent shopping habits forming

10. Disaster bulletins pile up, recovery status buried • Heat 4/10 • AI Frontier

After earthquake, 2.5M words of government notices; manually comparing city changes is brutal.

- STRATEGIC** Disaster response is a government need; one success can replicate globally.
- INCUMBENTS** Palantir focuses on intelligence; Esri on maps; no bulletin-level emergency info product.
- TIMING** Extreme weather and quakes frequent; government disaster budgets rising; RFPs already on the table.

11. Smart TVs Lack Useful Apps Beyond Video • Heat 3/10 • AI Hardware

New 65-inch TV: Bilibili TV app can't search, live streams need casting, USB installs restricted.

- STRATEGIC** TV big screen is home AI entry; aggregation layer can become living room traffic hub.
- INCUMBENTS** TV vendor stores zombie-like; Bilibili and live platforms adapt slowly.
- TIMING** Smart TV replacement wave plus mature voice AI; living room AI apps have open slot.

12. Pet Care Costs Scare You from Vet Visits, Insurance Confusing • Heat 3/10 • AI Lifestyle

Before pet health decisions, check savings; insurance terms are convoluted and reimbursements slow

STRATEGIC Pet economy growing; cost transparency tool can gate traffic for insurers and hospitals

INCUMBENTS Snout and ZhongAn have complex terms, foreign pricing opaque, hospital quotes inconsistent

TIMING Pet medical inflation rising, young owners tightening budgets, transparency tools gaining value

// RADAR

Opportunity Radar (Solo & Small Team)

A 2×2 grid of demand strength vs. competition density.

Build now

Strong demand, low competition

- ⌵ Juggling Multiple Coding Agents
- ⌵ MCP Calls Flood Context Window
- ⌵ Notes pile up, search fails
- ⌵ Local LLM Deployment Takes Weeks
- ⌵ Stuck Choosing a Phone for Months

Watch closely

Strong demand, high competition

- ⌵ AI Coding Agents Leak Source Code
- ⌵ AI crawlers overwhelm websites
- ⌵ AI Code Copyright and Compliance Unclear
- ⌵ AI Content Has an Obvious AI Flavor
- ⌵ AI Video Editing Lacks Frame Control

Wait & validate

Weak demand, low competition

- ⌵ JSON Tool Output Wastes Tokens
- ⌵ Agent Commits Skyrocket CI Costs
- ⌵ Living Alone and Working from Home, Daily Meal Dilemma
- ⌵ Gained 3 Pounds After a Month of Dieting
- ⌵ Daily 10 Supplements, Pill Organizers Are a Scam

Skip for now

Weak demand, high competition

- ⌵ USB-C Cable Labels Are Guesswork
- ⌵ Lost AirPods Pairing Feels Like Puzzle
- ⌵ Smart TVs Lack Useful Apps Beyond Video
- ⌵ Ancient Greek Tools Incomplete
- ⌵ Botany Learning Fragmented

// NEW & TRENDING

What's New This Period

First appearances

- Family subscription sharing gap
- JSON Tool Output Wastes Tokens
- Sign Language Glasses Miss True Grammar
- AI Book Flood Erodes Reader Trust
- Browsing Product Pages, Then Forced to Leave Chat to Buy
- AI Skin Advice Is Generic and Useless
- GPS jamming threatens flights, no one acts
- Disaster bulletins pile up, recovery status buried

Rising fastest

- Juggling Multiple Coding Agents
- AI Coding Agents Leak Source Code
- MCP Calls Flood Context Window
- Local LLM Deployment Takes Weeks
- AI Code Copyright and Compliance Unclear
- AI Video Editing Lacks Frame Control
- AI Content Has an Obvious AI Flavor
- AI Generates Clips but Can't Edit Films
- Living Alone and Working from Home, Daily Meal Dilemma
- Pet Care Costs Scare You from Vet Visits, Insurance Confusing
- AI Essays Overwhelm Oral Exams
- AI Code Leaves Users Clueless
- Gained 3 Pounds After a Month of Dieting
- Immersive game costs too high for investors
- AI Models Cloud-Only, Offline Devices Vulnerable

Cooling

— none —

// USER VOICES

Selected User Voices

Real user comments from global tech community discussions.

"Each project spawns three to five Claude Code or Codex sessions, screens full of terminals, no idea which one finished, so frustrating!"

— AI Development • Juggling Multiple Coding Agents

"Audit found two popular open-source agents send file contents to external APIs by default, no sandbox or warning, source code silently leaked, scared me to death!"

— AI Development • AI Coding Agents Leak Source Code

"MCP tool results dumped whole into context, thousands of tokens wasted, CLI pipelines lack standardization, such a waste of money!"

— AI Development • MCP Calls Flood Context Window

"Notes scattered across Notion, Obsidian, WeChat favorites; finding something from a year ago means searching five places, the more notes I take, the harder to find anything!"

— AI Tools • Notes pile up, search fails

"1.5 million page site crawled daily, servers can't handle it, legitimate users also affected, the site is being crawled to death by AI bots!"

— AI Tools • AI crawlers overwhelm websites

"Want to run DeepSeek V4 Flash on corporate intranet, hardware selection, operator completion, validation all pitfalls, took two weeks just for configuration!"

— AI Development • Local LLM Deployment Takes Weeks

"Pura 70 Pro lags and overheats, want to switch to iPhone 17 Pro Max, but worried the 18 in two months might be better, been agonizing for a month or two!"

— AI Lifestyle • Stuck Choosing a Phone for Months

"Oracle outright bans AI-generated code from OpenJDK, whose AI contributions count for developers, no one can explain copyright and compliance!"

— AI Development • AI Code Copyright and Compliance Unclear

// ABOUT

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